ABSTRACT

An end to end real-time encrypting process of a mobile commerce WAP data transmission section and the module of the same are disclosed. The wireless application environment (WAE) is used as a technical platform. An information encryption code security system matching a public key infrastructure is installed in the WML server end. This system includes a handset software encryption and decryption module, a cipher server, and a key management. The added cipher server dynamically downloads a public key using the HTTP service through a WAP gateway of WAN, GSM/ GPRS/ CDMA and other digital mobile system. When the user is desired to execute an M-commerce, the user may input commerce service according WML and then the input data is up-linked through an encryption and decryption process of the handset encryption and decryption module. After the information transfers to the WML server, it is decrypted by a public key.